

☐ SECRET

☒ CONFIDENTIAL

☐ UNCLASSIFIED

CONTRACT INSPECTION REPORT			CONTRACT NO.	TASK NO.	
				99	
TO: ENGINEERING SECTION/CB/PD/OL			DATE 26 February 1965		
			INSPECTION REPORT NO. (If final, so state) 1		
			ESTIMATED COMPLETION DATE August 1965		
NAME OF CONTRACTOR 					
TYPE OF COMMODITY OR SERVICE Automatic Image Recognition by Coherent Optical Techniques					
THE CONTRACTOR IS ON SCHEDULE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.		
PER CENT OF WORK COMPLETED - 10 %					
PER CENT OF FUNDS EXPENDED - 10 %					
HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If yes, give details on reverse side.)					
HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, indicate items, quantity, and cost on reverse side.)					
INCENTIVES					
IS THIS AN INCENTIVE CONTRACT IF YES, CHECK TYPE <input type="checkbox"/> COST <input type="checkbox"/> PERFORMANCE <input type="checkbox"/> DELIVERY			NOTE: USE REVERSE SIDE FOR COMMENTS. FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.		
OVERALL PERFORMANCE OF CONTRACTOR					
1. <input type="checkbox"/> OUTSTANDING 3. <input checked="" type="checkbox"/> ABOVE AVERAGE 5. <input type="checkbox"/> BELOW AVERAGE 7. <input type="checkbox"/> UNSATISFACTORY					
2. <input type="checkbox"/> EXCELLENT 4. <input type="checkbox"/> AVERAGE 6. <input type="checkbox"/> BARELY ADEQUATE					
IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.					
RECOMMENDED ACTION					
<input checked="" type="checkbox"/> CONTINUE AS PROGRAMMED <input type="checkbox"/> WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE					
<input type="checkbox"/> TERMINATE <input type="checkbox"/> OTHER (Specify)					
IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:					
ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		
DATE OF LAST CONTACT WITH CONTRACTOR 23 February 1965					
SIGNATURE				DIVISION P & DS	
INSPECTION				SIGNATURE OF APPROVER	

NARRATIVE REPORT

☐ INTERIM

☐ FINAL

Progress Report # 1 received.

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144-64-5
Copy / of 6

Automatic Image Recognition by
Coherent Optical Techniques

25X1

Progress Report No. 1

Financial Status

Amount Authorized

Estimated expenditures through
5 February 1965

Funds Committed

Funds Remaining

25X1

Technical Status

The engineering progress report for the period
5 January through 5 February 1965 is attached.

25X1

2/16/65

Distribution:

Copies 1 through 4: Technical Representative
Copy 5 - Contracting Officer
Copy 6 - File

GROUP 1

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EXCLUDED FROM AUTOMATIC
DOWNGRADING
AND
DECLASSIFICATION

Automatic Image Recognition by Coherent
Optical Techniques

Progress Report No. 1

Period Covered: 5 January to 5 February 1965

A detailed work schedule was prepared in PERT form and is attached. In order to meet the overall objectives of this contract three efforts are being conducted in parallel. Some of the experimental work can effectively be handled on a 6-foot optical bench while other experiments must be conducted on the large, specially designed, 20-foot optical bench. The attached schedule designates the two groupings of experiments. The analytical studies can obviously be undertaken separately from the experimental portion.

The work during this period consisted of establishing a model layout which can be photographed under various conditions to meet the different situations we wish to cover. The layout is complete and the first photographs taken. These will be tested for quality and if satisfactory, all simulated photographs needed for the contract will be taken.

A list of actual aerial photographs was prepared and submitted. These photographs will be needed by April 14.

The analytical studies listed on the detailed work plan have been discussed with and a work statement issued on February 5.


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The first experimental study is well underway and deals with the effects of glass plates in the optical system. This study is being conducted on both optical benches.

A large liquid gate is being constructed for use in some of the tests scheduled for the latter part of the contract. The construction cost of the liquid gate is not part of this contract.

The use of the image orthicon as a read-out system is scheduled to begin in a few weeks. The details of this effort have not yet been fully planned.

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Only one problem of consequence has occurred so far. Our most up-to-date  gas laser failed to operate and required assistance from their service group. The laser is performing nicely now.

For the next period we expect to complete the tests of the effects of glass plates and determine the effects of various means for reducing the amplitude of the reference beam. The model photography will be complete and spatial filters made of objects needed for the forthcoming tests. Tests of the effect of multiple targets, target perspective, and filter location tolerance will be completed.

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SECOND:
Boxes indicate events.
Lines connecting boxes are activities.
Those events with lines through them have been completed.
Numbers above lines are elapsed time in weeks.
Numbers below lines are applied time in hours.
Date before event is scheduled completion date.
Circled date below event is actual completion date.

Date Issued: 4/24/68
By: Revised: 4/24/68
Previous Revision Date:
Specialist-Administration

